Fly Ash

Class C

Supplier	Source	Notes
Boral Resources		
	Hugo Power Plant Unit #1 - Fort Towson, OK	Powdered Activated Carbon
	John Twitty Energy Center (JTEC) - Brookline Station, MO	Powdered Activated Carbon
	Labadie Power Station - Labadie, MO	Powdered Activated Carbon
	Martin Lake Steam Electric Station, Unit#3 - Tatum, TX	Powdered Activated Carbon
	Plant Miller - Quinton, AL	
	Rush Island Power Station - Festus, MO	
	Sikeston Power Plant - Sikeston, MO	Powdered Activated Carbon
Charah Solutions, Inc.		
	Flint Creek Power Plant - Gentry, AR	
	Independence Steam Station - Newark, AR	Powdered Activated Carbon
	Northeastern Station - Oologah, OK	
	Rodemacher Power Station - Lena, LA	
	White Bluff Generating Plant - Redfield, AR	Powdered Activated Carbon
Charah Solutions, Inc. / CV Ash LLC		
	Limestone Electric Generating Station - Jewett, TX	Powdered Activated Carbon
FlyAshDirect (a division of Waste Management)		
	Welsh Power Plant - Cason, TX	
Lafarge North America		
	Muskogee Generating Station - Fort Gibson, OK	Powdered Activated Carbon

Class F

Supplier	Source	Notes

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Ash Grove Cement Company	Durapoz F; Chanute, KS - Chanute, KS	
Boral Resources	Cumberland Power Station - Cumberland City, TN	(approval effective 7/1/2020)
	Dolet Hills Power Station - Mansfield, LA	Powdered Activated Carbon
	Martin Lake Steam Electric Station - Tatum, TX	Powdered Activated Carbon
	Mill Creek Generating Station - Louisville, KY	
	Oak Grove Power Plant - Franklin, TX	Powdered Activated Carbon
	Prairie State Generating Company - Marissa, IL	
Charah Solutions, Inc.	Miami Fort Generating Station Unit 7 - North Bend, OH	
	Miami Fort Generating Station Unit 8 - North Bend, OH	
	Zimmer Electric Generating Station - Moscow, OH	

Method of Documentation of Acceptance:

Source's certified shipping notice in accord with the attached aggreement. The inspector shall note on the "Concrete Plant Inspector's Daily Report" the name and location of Source.

DESTINATION SAMPLING AND TESTING
Materials Division may request random samples through the Resident Engineer. These random samples shall be taken from the transport trailer/railroad car and be identified by:

- **Name of Supplier**
- **Bill of Lading Number**
- **Supplier Bin (silo) Number**
- **Supplier Test Number**

Method of Approval:

Class C or F fly ash are accepted for use on Arkansas Department of Transportation projects based on certification by the supplier. Suppliers are the entities that have responsibility for the final properties of the material. Fly ash is required to conform to the

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requirements stated in the Standard Specifications for Highway Construction. In order to supply fly ash, the following must be provided and approved by the Department prior to acceptance of the agreement.

- **Documentation on the facility test laboratory(s) and proof of AASHTO accreditation or participation in Cement and Concrete Reference Laboratory (CCRL) inspections and reference sample programs.**
- **Statement concerning the use of powdered activated carbon and any other additives mixed with the fly ash during production or used in the processing or collection of fly ash.**
- **Historical analysis data showing conformance with the specification requirements for the fly ash class to be approved.**
- **Submittal of a one gallon split sample and manufacturer's test data for the fly ash class to be approved.**

AGREEMENT FOR THE ACCEPTANCE OF FLY ASH BASED ON CERTIFIED MILL TESTS

Class C or F fly ash will be accepted by the Arkansas Department of Transportation based on the manufacturer's/supplier's certification that the material meets all of the applicable requirements of Department specifications (AASHTO M 295) under the following conditions:

- **The manufacturer/supplier shall maintain a file of their test results as well as their methods of testing. The manufacturer's laboratory shall be inspected periodically by Cement and Concrete Reference Laboratory (CCRL). Upon request, the manufacturer/supplier shall make reports of inspections available to the Department.**

- **Fly ash shall be tested at a rate agreed to by the Department and as defined in ASTM C311. Laboratory analyses of these tests for fly ash certified and shipped shall be furnished to the Department's Materials Division.**

- **Shipments to Department projects shall be made only from silos that are certified to meet Department specifications.**

- **The manufacturer/suppler shall furnish with each shipment a certification containing the following information:**

    - **Consignee.**
    - **Date and time of shipment.**
    - **Truck or railroad car number.**
    - **Quantity of fly ash shipped.**
    - **Class of fly ash.**

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- **Silo number from which shipped.**
- **Statement "This is to certify that the class of fly ash in this shipment is from silo number_____ and complies with AASHTO specification for the class shipped".**
- **Signature of a responsible company official**

One copy of the shipment certification for the Resident Engineer shall accompany the shipment.

- **The Department will make periodic inspections by source sampling as well as by checking test results and methods of testing used by the manufacturer/supplier.**

- **A quarterly composite sample will be sent to the Materials Division. This sample will be composed of approximately equal sized samples obtained from the pretested bins.**

- **Destination samples will also be collected as deemed necessary to assure compliance with the specifications. Failure of these samples may be considered sufficient cause to reject the fly ash and suspend further shipments until tests by the Department determine that the manufacturer's/supplier's product is in compliance with the applicable specifications and requirements.**

Failure of fly ash to comply with the above requirements will be considered sufficient reason for removal of the product from the Qualified Products List.

No information contained in these lists is to be used for promotional purposes.